

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Robert Staszewski, et al.** Docket: **TI-34776**  
Application No.: **10/712,593** Art Unit: **2816**  
Filed: **11/13/2003** Examiner: **Dinh Thanh Le**  
For: **TECHNIQUE FOR IMPROVING**  
**ANTIALIASING AND ADJACENT**  
**CHANNEL INTERFERENCE FILTERING**  
**USING CASCADED PASSIVE IIR FILTER**  
**STAGES COMBINED WITH DIRECT SAMPLING**  
**AND MIXING**  
Conf. No.: **8991**

**SUPPLEMENTAL DECLARATION**

Assistant Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

We, Robert Staszewski, Khurram Muhammad, and Dirk Leipold, as joint inventors named in the application for letters patent for an improvement in Technique for Improving Antialiasing and Adjacent Channel Interference Filtering Using Cascaded Passive IIR Filter Stages Combined with Direct Sampling and Mixing, Application No.10/712,593, filed in the United States Patent and Trademark Office on or about the 13 day of November 2003, declare that we reviewed and understand the contents of the specification, including the claims as amended by the following amendments:

*Amendment(s) filed:* *Amendment, dated 08/18/2005*  
*Letter Proposing Drawing Amendment*  
*Under Rule 123, dated 08/17/2005*  
*Amendment 116, dated 01/13/2006*  
*Amendment 116, dated 02/10/2006*  
*Amendment 116, dated 03/21/2006*  
*Amendment 111, dated 09/25/2006*  
*Amendment 111, dated 05/25/2007*  
*Amendment 116, dated 10/22/2007*  
*Amendment 116, dated 11/14/2007*

**Supplemental Declaration**  
**TI-34776**

That we believe that we are an original and first co-inventor of the claimed subject matter for which a patent is sought; that said subject matter, including the claims as amended, was part of our invention, and was invented before the filing of the original application, above identified, for such invention; and that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

We further declare that all statements herein made of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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**Robert Staszewski**

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Address

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U. S.  
Citizenship

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Date

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**Dirk Leipold**

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Address

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Germany  
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Date

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Not. of All.: **04/09/2008**  
Conf. No.: **8991**

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*6/25/2009*

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